

Examiner's Copy

AN 106:37211 HCA
TI Free-cutting **copper** alloys having low oxygen content
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SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 61133351	A2	19860620	JP 1984-252826	19841201
AB	The Cu alloys contain .gtoreq.1 of Pb , Bi, and/or Te 0.05-1% each, and .gtoreq.1 of Ni, Sn, and/or Sb 0.01-0.5% each. The Cu alloys show good hot workability, and are useful for elec. and electronic parts. Thus, molten Cu alloy refined in vacuum was cast into 30-kg ingot contg. 0.1 Ni, 0.2% Pb , and .ltoreq.10 ppm O. The ingot showed good forging at 700-800.degree.,				
Drill	cutting torque 0.02 kg-m in a test with drill diam. 3 mm at 0.1 mm/rev				
and	cutting speed 15 m/min, and elec. cond. 96% of IACS, vs. good forgeability, 0.06 kg-m, and 100 for Cu contg. O .ltoreq.10 ppm.				